

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824310001-2

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CIA-RDP86-00513R000824310001-2"

REEL # 243
KONIECZNY JAN
TO

KONIECZNY, JAN
POLAND/Chemical Technology. Chemical Products and their Application. J-12
Glass. Ceramics. Building Materials.

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27745 P.

Author : Jan Konieczny.

Inst :
Title : Method of Recovering Abrasive Powder from Scrapped Abrasive
Wheels with Rubber Binding.

Orig Pub: Polish patent 36567 of March 30, 1955.

Abstract: The method of recovering abrasive powder from scrapped abrasive wheels with rubber binding consists in that the scrap is heated in a furnace at the temperature of burning of vulcanized rubber and other chemical substances; the remaining powder is disintegrated and used again for manufacturing wheels.

-105-

Card : 1/1

KONIECZNY, Aniela, mgr inz.; SMOLARSKI, Andrzej, mgr inz.

Studies on temperature factor meters of capacity and induction.
Prace Inst teletechn 7 no.2 135-144 '63

KONIECZNY, J.

"Every reader should be a correspondent of aeronautical newspapers and an active
fighter for peace and socialism." p. 84
(Skrzydla I Motor, Vol 8 No 8 Feb 53 Warszawa)

6

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Unclassified

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824310001-2

KONIECZNY, J.

"The work of our correspondents." p. 100
(Skrzydla I Motor, Vol 8 No 7 Feb 53 Warszawa)

SO: Monthly List of East European Acquisitions, Vol 2 No 9 Library of Congress Sept 53 Unclassified

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824310001-2"

KONIECZNY, J.

"Aeronautical periodicals are a friend of and a guide to youth." p. 116. (Skrzydla I
Motor, Vol. 8, no. 8, Feb 53, Warszawa)

SO: Monthly List of East European Accessions, Vol 2, no.9, Sept 53 Library of Congress Uncl

KONIECZNY, J.

Aerial reconnaissance. 7. p. 150. (SKRZYDŁA POLSKA, Vol. 10, No. 10, Mar. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LG, Vol. 3, No. 12, Dec. 1954, Uncl.

KONIECZNY, J.

Aviation in People's Poland. Tr. from the Polish. p. 342.
(KRIDLA VLASTI, no. 15, July, 1955, Praha)

SO: Monthly List of East European Accession, (EEAL), LC. Vol. 4, No. 11,
Nov. 1955, Uncl.

5

KONIECZNY, J.

KONIECZNY, J. 10 minutes with the world champion. p. 10. Vol. 11, no. 44, Oct. 1955. SKRZYDLATA POLSKA. Warszawa, Poland.

SOURCE: East European Accessions List (EEAL) LC VOL. 5, No. 6, June 1956

KCKIECZNY, J.

KCKIECZNY, J. Notebook from Czechoslovakia. p. 11.

Vol. 11, No. 45, Nov. 1955.

SPRZEDZIATA POLSKA.

TECHNOLOCY

Warszawa, Poland

So: East European Accession, Vol. 5, No. 5, May 1956

KONIECZNY, J.

American Mac Greedy states that the Polish team made an excellent appearance in Saint Yan; a special interview of the representative of Skrzydlate Polska with the world champion in gliding.

p. 8 (Skrzydlate Polska. Vol. 12, no. 32, Aug. 1956. Warszawa, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

KONIECZNY, J.

In gliders over France.

(To be contd.) p. 3 (Skrzydla Polska. Vol. 12, no. 32, Aug. 1956. Warszawa,
Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

KONIECZNY, Jan

Poland

Magister Inżynier

no affiliation given

Warsaw, Przeglad Geodezyjny, Vol 34, No 11, Nov
1962, pp480-81.

"The Use of Diagonal Aerophotos for Geological
Maps".

S/035/62/000/012/053/064
A001/A101

AUTHORS: Konieczny, Jan, Poninski, Wiktor

TITLE: Elimination of field identification in plotting 1 : 1,000 maps by the stereophotogrammetric method

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 12, 1962, 22, abstract 12G147 ("Przegl. geod.", 1962, v. 34, no. 4, 136 - 141, Polish)

TEXT: The authors investigated the feasibility of plotting large-scale maps from aerial photographs which were topographically identified in office work. 25% of the survey region with a total area of 30 hectares contained one-story buildings. The map was plotted from aerial photographs on the 1 : 4,000 scale at a scale of the stereomodel of 1 : 3,000 on a Wild A-8 setting device. Office identification of some constructions and contours (~% of the total quantity of contours), carried out in the process of plotting, was difficult because of their shielding by shadows and tops of trees. The map compiled was compared with a map plotted by the conventional stereotopographical method during

Card 1/2

KONIECZNY, Jan, mgr. ins.; PONINSKI, Wiktor, ins.

Land generalization in the preparation of autogrammetric
maps in the scale 1:1000. Przegl geod 34 no.4:136-141
Ap '62.

KONIECZNY, Jan, mgr inz.

Application of oblique air photographs in geological mapping. Przegl
geod 34 no.11:480-481 N '62.

KONIECZNY, Jan, agr inz.

Young Geodesists as subject of the activities of Commission
V of the International Federation of Geodesists (FIG). Przegl
geod 35 no.3:127-128 Mr '63.

L 13139-63

P/044/63/000/005/002/002

44

AUTHOR: Konieczny, Jerzy R., magister

TITLE: Sports aviation in the People's Republic of China

PERIODICAL: Wojskowy przeglad lotniczy, no. 5, 1963, 52-59

TEXT: Sports aviation in China came to life after the establishment of the People's Republic. Plane modeling reached a high level in a relatively short period. China entered the international arena with the assistance of other Socialist countries and succeeded in establishing 10 international records in the area of plane modeling by 1961. Parachuting, which started to develop as a sport together with gliding, initially served military needs only; but at present, it is a fairly developed sport. Peking with its 50-meter high parachuting tower is one of its centers. Chinese parachutists were first represented at international competitions in Bulgaria in 1955. The gliding center is Chengtu, where the first gliding school was established in 1954. Poland has contributed to the development of this sport in China by sending over a number of experts and equipment.

Card 1/2

L 13139-63

P/044/63/000/005/002/002

0

Sports aviation in...

Presently certain equipment is manufactured under Polish license, and glider are assembled with certain modifications. Cadres of Chinese designers are being trained under the direction of Polish specialists. Other flying activities in the sport field are relatively little developed. Training is conducted in PO-2 and Yak-18 planes.

Card 2/2

KONECHNY, Yezhi [Konieczny, Jerzy]

Polish air lines. Grazhd. av. 19 no.5:29 My '62. (MIRA 18:6)

1. Glavnnyy redaktor zhurnala "Skshyldata Pol'ska."

KCNIROZNY, E.

"Origin of the Air Force Exhibition in the Army Museum", p. 693, (SIRZYDLATA
PCISKA, Vol. 10, No. 44, October 1954, Warsaw, Poland)

SC: Monthly List of East European Accessions (EHAL), LC, Vol. 4, No. 3,
March 1955, Uncl.

KONIECZNY, L.; DOMANSKI, J.

Unreactive thiol groups in human haemoglobin. Acta biochim.
pol. 10 no.4:325-336 '63.

1. Department of Physiological Chemistry, Medical School,
Krakow.

(HEMOGLOBIN) (SULPHYDRYL COMPOUNDS)
(PROPANEDIOLS) (BIOCHEMISTRY)

BOBRANSKI, Boguslaw; KONIECZNY, Mieczyslaw

Synthesis and properties of 1-cyano-1,3-diacetyl-2-imino-indane. Rocznik chemii 36 no.4:639-644 '62.

1. Department of Pharmaceutical Chemistry, Medical Academy, Wroclaw, and the Hirschfeld Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw.

BOBRANSKI, Boguslaw; KONIECZNY, Mieczyslaw

On 1-methyl-5-allyl-5hydroxypropylbarbituric acids. Roczn. chemii
37 no. 7/8:819-826 '63.

1. Department of Drug Synthesis, The Hirschfeld Institute of
Immunology and Experimental Therapy, Polish Academy of Sciences,
Wroclaw.

KONIECZNY, M.

Syntheses of meta- and para-Di-(2-a-minopropyl)-benzenes. bul Ac
Pol chim 7 no.4:229-233 '59. (EEAI 9:7)

1. Department of Pharmaceutical Chemistry, School of Medicine,
Wroclaw. The L.Hirschfeld Institute of Immunology and Experimental
Therapy, Wroclaw, Polish Academy of Sciences. Presented by
T.Urbanski.

(Propylbenzene) (Amino group)

L 12340-63

S/031/63/000/005/034/075

44

AUTHOR: Konieczny, M.

TITLE: Synthesis of DI-met-a-di- and para-di-2-aminopropylbenzenes

PERIODICAL: Referativnyy zhurnal, Khimiya, No. 5, 1963, 212, abstract 52h149
(Arch. immunol. i. terap. doswiadz., 1961, v. 9, no. 4, 599-608)

TEXT: To explain the effect of structure on pharmaceutical activity meta-di- (I) and para-di-(2 aminopropyl)-benzenes (II) were produced according to the following scheme: $(CH_3)_2C_6H_4$ (III) + $Br_2 \rightarrow (BrCH_2)_2C_6H_4$ (IV); IV + KCN $\rightarrow (NCCH_2)_2C_6H_4$ V; V + $COOC_2H_5 \rightarrow \left[CH_3COCH(CN)\right]_2C_6H_4$ (VI); VI $\rightarrow (CH_3COCH_2)_2C_6H_4 \rightarrow \left[CH_3C(=NOH)CH_2\right]_2C_6H_4$ (VIII) \rightarrow I (or II) both isomers of IV and V received by a described method (see Ruggli, R. and others in Helv. Chim. Acta, 1935, Vol. 18, 619; Titley, A. F., J. Chem. Soc., 1926, 513). To the boiling solutions of Na ethylate (from 120 ml of alcohol and 10 g of Na) solution of 26 g of meta-V in 44 g of anhydrous ethyl acetate was added in portions. It was boiled for 2 hours, left sitting 12 hours, cooled to $-10^{\circ}C$ and the residue was filtered, which after dissolution in water and acidifying, gave meta-VI, yield 68%, m.p. $138 - 139^{\circ}C$, (from 50% CH_3OH). To 35 g

Card 1/4

L 12340-63

S/021/63/000/005/034/075 O

Synthesis of DL-meta-di and

of meta-VI 25 ml of water and 90 ml concentrated H_2SO_4 were added, it was heated until full dissolution, cooled, and 350 ml of water were added and again heated for hours in a steam bath. The ether was used as extragant, solvent was removed, treated with 40% solution of Na bisulfite and acidified with 10% H_2SO_4 . The oily product was extracted with ether. Distillation in a vacuum separated meta-VII, yield 50%, b.p. 146/3 mm. From 15 g meta VII, 22.5 g of hydroxylamine hydrochloride, 45 g CH_3COONa in a mixture of 90 ml of alcohol and 180 ml of water were obtained

15.5 g of meta-VIII, m.p. 125-126° C (from aq. alcohol). 15 g of meta VIII were reduced by Na in alcohol (30 g Na and 225 ml of alcohol). After dilution of the reacting mixture with water, elimination of excess alcohol, the I which was formed was drawn off with 10% HCl and again alkali was introduced, yield was 80% b.p. 153-154°/12 mm. It was remarkably hygroscopic and absorbed CO_2 ; dichlorohydrate I, m.p. 298° C (from alc-acetone); dipicrate I, m.p. 230°; dibenzoyl derivative I, m.p. 158-158.5° C (from aq.-alc.). 850 ml of alcohol, 260 ml of water and 150 g of KCN were heated to boiling and to them 210 g of para-IV were quickly added with stirring, boiled 10 min, a yellow crystalline by-product was filtered off, it was rinsed with

Card 2/4

L 12340-63

S/081/63/000/005/034/075

D

Synthesis of Di-meta-di and

hot alcohol, to the combined filtrate 3 l of water were added. The obtained residue was filtered, rinsed with ether, from the mother solution more reaction product was extracted with ether. The overall yield of para-V was 68-75%, the m.p. 97-98° C (from alcohol). The yield depends on the purity of KCN. To a solution of C_4HgNa (from 445 g p-butyl alcohol and 36 g. Na) at boiling point 93.6 g of para-V were added in a mixture of 220 ml of anhydrous ethyl acetate and 200 ml of anhydrous xylol and boiled for 4 hours. The residue was filtered, dissolved in 4 l of water at 2-3° C and precipitated by acidifying with 10% H_2SO_4 . The yield was para VI 77%, m.p. 209 - 210° C (from CH_3COOH), which decomposes under the action of alkali to para-di-(α -cyanmethyl)-benzene. Para-VII was obtained similarly to meta-VII, separated as a bisulfite derivative, which decomposed when heated with 5% solution of Na_2CO_3 . The yield of para-VII was 70%, m.p. 55-56° C (from petr. ether). Similarly to the meta-isomers the following were obtained: para-VIII, yield 85%, m.p. 172-173° C (from alcohol) and II, b.p. 145°/6 mm, m.p. 51° C, extremely hygroscopic, easily soluble in water and absorbs CO_2 ; dichlorohydrate of II, decomposition temp. 350° C; dipicrate of II, m.p. 250° C (decomposes; from water); dibenzoyl

Card 3/4

L 12340-63

S/081/63/000/005/034/075 0

Synthesis of Di-meta-di and

derivative, m.p. 238° C (from alcohol). I and II differing from 2-aminopropyl-benzene did not possess stimulating activity, but do possess hypotensive activity.

I. K.

Abstractor's note: Complete translation

Card 4/4

KONIECZNY, M.

New compounds of adrenolytic activity. Wied chem 16 no. 4:265-266
Ap '62.

KONIECZNY, M.

Synthesis of aromatic amines. Wiad chem 16 no. 4:267 Ap 62.

KONIECZNY, Mieczyslaw; BOBRANSKI, Boguslaw

A new method of preparing o-tolylacetone. Rocznik chemii 33 no.4/5:
1027-1030 '59. (EEAI 9:9)

1. Zaklad Chemii Farmaceutycznej Akademii Medycznej, Wrocław.
(Tolylacetone) (Dinitrophenylhydrazone)

KONIECZNY, Mieczyslaw

Synthesis of dl-meta- and para-di-(2-aminopropyl)-benzenes. Arch. imum. ter. dosw. 9 no.4:599-608 '61.

1. Department of Pharmaceutical Chemistry, School of Medicine, Wroclaw; Department of Drug Synthesis, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw.

(BENZENE rel cpds) (AMPHETAMINE rel cpds)

S/081/62/000/024/043/073
B101/B186

AUTHORS: Bobrąński, Bogusław, Konieczny, Mieczysław

TITLE: Synthesis and properties of 1-cyano-1,3-diacetyl-2-imino indane

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1962, 344, abstract 24Zh231 (Roczn.chem., v.36, no.4, 1962, 639-644 [Eng.; summaries in Pol. and Russ.])

TEXT: Condensation of $\text{o}-(\text{CH}_2\text{CN})_2\text{C}_6\text{H}_4$ (I) with ethyl acetate yields cyanoacetyl imino indane (II) whose structure was confirmed by reactions and synthesis from cyano-imino indane (III). The product expected to form was o -di-(α -cyanoacetyl)-benzene. Hydrolysis of II yielded IV which by action of P_2O_5 again becomes converted to II. Reaction of dilute H_2SO_4 with II or IV yields a mixture of the indanones (V) and (VI). Boiling of VI with hydrochloric acid yields o -acetonyl phenyl acetic acid (VII). 10 g of I and 17 g ethyl acetate are added to a boiling solution of $\text{C}_4\text{H}_9\text{ONa}$ (obtained from 3.85 g Na and 35 ml $\text{C}_4\text{H}_9\text{OH}$). The mixture is heated

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S/081/62/000/024/043/073
B101/B186

Synthesis and properties of ...

for 2 hrs and left standing in a refrigerator for 7 days. The precipitate is then separated, dissolved in water, and filtered. Approximately 30% II, $C_{14}H_{20}O_2N_2$, m.p. $292^\circ C$ (from glacial acetic acid) is precipitated from the filtrate with 1% HCl. In the same way, II is obtained from III. A mixture of IV and P_2O_5 (1:5) is kept at $100^\circ C$ for 30 min, left standing for 24 hrs, then water is added and II is obtained. At $100^\circ C$, 1.5 g II or 1.6 g IV are dissolved in a mixture containing 7 ml concentrated H_2SO_4 and 2.5 ml H_2O . The solution which is cooled and mixed with 105 ml H_2O , yields 0.315 g VI, $C_{11}H_{10}O_2$, m.p. $122^\circ C$ (from aqueous CH_3OH); also the dioxime $C_{11}H_{12}O_2N_2$, m.p. $148^\circ C$ (decomp.; from aqueous alcohol). 0.2 g of V m.p. $61^\circ C$ (from ether) is extracted from the aqueous solution after separation of VI with ether; also the oxime C_9H_9ON , m.p. $152^\circ C$ (from chloroform). Product II is dissolved in a small amount of CH_3COOH mixed with H_2O (2:1). When this is left standing, IV, $C_{14}H_{14}O_3N_2$, m.p. $209^\circ C$ (decomp.) separates. Boiling of II in aqueous alcohol or aqueous acetone

Card 2/3

BOBRANSKI, Boguslaw; KONIECZNY, Mieczyslaw; SYPER, Ludwik

Investigations on the mechanism of the degradation of 5-allyl-5-(β -hydroxypropyl)-barbituric acid in the organism.
Metabolism of 1-methyl-5-allyl-5-(β -hydroxypropyl)-barbituric acids in the organism of rabbits. Arch. immun. ther. exp. 10 no.4:811-817 '62.

1. Department of Drug Synthesis, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw;
Department of Pharmaceutical Chemistry, School of Medicine, Wroclaw.

(BARBITURATES) (METABOLISM) (URINE)
(CHROMATOGRAPHY)

KONIECZNY, Rudolf

How to increase the level of teaching in technical schools for
mining. Wiadom gorn. 14 no. 9 276-279 S'63,

KONIECZNY, Rudolf

Accidents of trainees of mining schools. Wiadom gorn 13
no.6:210-212 Je '62.

KONIECZNY, Rudolf

Cooperation of mining schools with the mines. Wiadom
gorn 13 no.7/8:253-25, Jl-Ag '62.

KONIECZNY, Rudolf

How can one obtain a medium level mining education? Wiadom gorn
13 no.11: 395-396 N '62.

KONIECZNY, S.

Transferred rocks as an aid in teaching geology in grade 11. p. 95.
GEOGRAFIA W SZKOLE, Warszawa, Vol. 3, no. 2, Mar./Apr. 1955.

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

KONIECZNY, STANISLAW.

Z badan nad rozmieszczeniem erratykow krystalicznych zlodowacenia
plajestocenskiego w zachodniej Polsce. Poznan, Panstwowe Wydawn. Naukowe,
1956. 42 p. (Poznanskie Towarsystwo Przyjaciol Nauk. Komisja Geograficzno-
Geologiczna. Prace, t. 2, zesz. 1) From studies of the location of crystalline
erratic rocks of the Pliestocene glacial period in western Poland. German
and Russian summaries. maps, bibl., graphs, tables

SOURCE: East European Occession List (EEAL), Library of Congress,
Vol. 6, No. 1 January 1957

KONIECZNY, Sylwester (Szczecin)

Circular plate on an elastic layer under a linearly variable load. Archiw inz lad 11 no.11:39-46 '65.

1. Submitted April 12, 1964.

KONIECZNY, Waclaw

Effect of novocaine preparations on the metabolism of nitrogen in old rats. Pol. tyg. lek. 18 no.44:1636-1639 28 0*63.

1. Z Zakladu Farmakologii Doswiadczenj AM w Warszawie;
kierownik: prof. dr. P.Kubikowski.

WIERZCHOWSKI, Piotr; ADAMIEC, Arnold; KONIECZNY, Waclaw; POLUS, Elzbieta;
SIECZKOWSKA, Kazimiera

Production of gibberellic acid by means of biosynthesis. Acta
pol. pharm. 19 no.2:97-101 '62.

1. Z Instytutu Antybiotykow w Warszawie Dyrektor: mgr inz. F.Ulak.
(GIBBERELLINS metab)

CA KONIECZNY, Z

PRECIS AND PROPERTIES

13

The usefulness of tin-plated tubes as containers for packing commodities. D. J. Tilgner and Z. Konieczny. *Widomosci Farm.* **63**, 87 (80), 103-7 (1988); *Chem. Zentralbl.* **1988**, II, 1038-9. — Tin-plated tubes cannot be manifold entirely free from pores. In tin-plated Pb tubes the Sn should not be expressed in wt.-% but rather in g./sq. cm. of surface. The Sn does not form a homogeneous covering, the best coating being in the middle portions. The best coatings are obtained with 3 and 6% Sn, which correspond to 0.459 and 0.821 g. Sn/100 sq. cm. The external coating of the tube is not important. The amt. of Pb found in tooth paste depends on the time of storage and the porosity of the tube. A max. of 0.5 mg. Pb per 100 g. of tooth paste and an av. of 3 mg. per 100 g. were found in tooth pastes in tubes of Polish manuf. Tubes with 0.45 g. Sn/100 sq. cm. are to be regarded as normal. — M. G. M.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1988-1989

1989-1990 MRP ONE SET

SEARCHED

INDEXED

ABSTRACTED

FILED

SEARCHED

INDEXED

KONIECZNY, Z.

POLAND/Chemical Technology - Chemical Products and Their
Application - Food Industry.

H.

Abs Jour : Ref Zhur - Khimiya, № 9, 1958, 30562

Author : Konieczny, Z.

Inst :

Title : Temporary Formulations for the Basic Bakery Products
Used in the Polish Peoples Republic and Their Profitability.

Orig Pub : Przeglad Piekarn Cukiern, № 9, 6-9, 1957.

Abstract : No abstract.

Card 1/1

25

11(7), 26(1)

AUTHOR: Konieczny, Z., Engineer

TITLE: Future Aircraft Fuels

PERIODICAL: Wojskowy przeglad lotniczy, 1959, Nr 12, pp 16-20 (POLAND)

ABSTRACT: The author introduces the article with a general explanation of the properties of aircraft fuels and proper definitions. He states that the caloric value of a fuel depends on the atomic number of elements which constitute the fuel; Hydrogen has the highest caloric value per unit of weight and is the most efficient fuel, though rarely used in aviation because of high production costs. The search for less expensive, efficient and easier-to-handle fuels accounts for the discovery of borates. The author mentions the properties of diborate (B_2H_6) and pentaborate (B_5H_9). The technique of decaborate ($B_{10}H_{14}$) and other borate compound production is difficult and is kept secret. Fuels with desirable qualities have been obtained by bonding borates with carbon and are called carborates. The author points out the high production cost of carborates; about 90% of the cost ac-

Card 1/2

POL/44-59-12-5/36

Future Aircraft Fuels

counts for the production of the raw material - diborate, which reacts with carbohydrates and forms carborates. A formula which determines the effect of the specific weight of a fuel on the range of an aircraft is presented: $A = x \cdot E \cdot V \cdot S_c \cdot \log \frac{G_0}{G_1}$,

wherein A = range, x = flight efficiency coefficient, E = aerodynamic property coefficient, V = speed, G_0 = maximum weight in flight and G_1 = end weight of the aircraft after flight. The author mentions that aircraft engines for borate fuels are being designed in the U.S. There is 1 table, 1 graph and 3 references, 2 of which are US, and 1 Soviet.

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Card 2/2

P/045/62/021/003/005/005
B137/B102

AUTHORS: Bożek, E., Hrynkiewicz, A. Z., Konieczny, Z., Rybicka, M.,
Szymczyk, S.

TITLE: Nuclear g-factor of the 113-kev rotational level in ^{177}Hf

PERIODICAL: Acta Physica Polonica, v. 21, no. 3, 1962, 307 - 309

TEXT: Two of the following three quantities are suited for calculating the nuclear factors g_R and g_K : (1) the magnetic moment of the ground state, μ_0 ; (2) the magnetic moment of the excited rotational state, μ_e ; (3) the magnetic dipole transition probability between any two rotational states, $B(M1)$. μ_e was measured for the 113-kev excited level using the method of rotation of the angular correlation pattern for a γ - γ cascade. The source, an aqueous $\text{Lu}(\text{NO}_3)_3$ solution, was situated in an external magnetic field of 26300 gauss, perpendicular to the emission plane of the two γ -rays. The ratio of random to true coincidences was below 5 per cent at $18 \cdot 10^{-9}$ sec resolution. The counters detecting 208 and 113-kev γ -rays enclosed the

Card 1/3

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P/045/62/021/003/005/005
B137/B102

Nuclear g-factor of ...

angles 135° and 225° . Measurements yielded the values $g = 0.245 \pm 0.032$ and $\mu_e = (1.10 \pm 0.14) \mu_N$. When calculating the nuclear factors from the values $\mu_0 = 0.61 \pm 0.03$ (Speck, see below) of the ground state ($7/2^-$) and $\mu_e = 1.10 \pm 0.14$ of the excited state ($9/2^-$), one obtains $g_R = 0.374 \pm 0.084$ and $g_K = 0.120 \pm 0.030$. From $B(M1)$ and μ_e one obtains $g_R = 0.271 \pm 0.033$ and $g_K = 0.218 \pm 0.034$. As these results are more reasonable, this would seem to indicate that the μ_0 determination was not correct. Bernstein and de Boer determined the nuclear factors from μ_0 and $B(M1)$ to have the values $g_R = 0.215 \pm 0.014$ and $g_K = 0.162 \pm 0.010$. The disagreement in the results is well beyond the limits of error. Professor H. Niewodniczański, Doctor Z. Szymański, Mgr Z. Bochnacki, and Professor B. Mottelson are thanked for interest. There are 7 non-Soviet references. The four most important references to English-language publications read as follows: Bernstein, E. M., de Boer, J., Nuclear Phys., 18, 40 (1960); Hauser, U., Runge, K., Knissel, G., Nuclear Phys., 27, 632 (1961); Manning, G., Rogers, J. D.,

Card 2/3

BOZEK, E.; HRYNKIEWICZ, A.Z.; KONIECZNY, Z.; RYBICKA, M.; SZYMCZIK, S.

Nuclear g-factor of the 113 keV rotational level in ^{177}Hf .
Acta Physica Pol 21 no.3:177 Mr '62.

1. Institute of Nuclear Physics, Gracow, and Institute
of Physics, Jagiellonian University, Gracow.

KONIECZNY, Zygmunt, mgr

Modern character of the Polish pharmaceutical industry.
Farmacja Pol 18 no.17/18:429-433 S '62.

1. Osrodek Informacji Naukowej POLFA.

*

KONIG A.

ENEL/Pharmacology and Toxicology. Tranquillizers

V-2

the Jour : Rev Univ - Biol., No 13, 1958, No 71078

Author : Popescu Marin, Mirea A., Florescu I., Sabacica L., Traita A.,
Koenig A.

Inst :

Title : Contribution to the Study of the Adrenolytic Action of
Chlorpromazine

Orig Pub : Fisich. revue. si patol., 1957, 4, No 6, 304-313

Abstract : The adrenolytic action of chlorpromazine (C) was studied on
anesthetized and intact dogs by the perfusion *in situ* of the
organs isolated from the general vascular network while pre-
serving nerve connections, or by the method of registration of
the total blood pressure in the intravenous administration
of C. Adrenolytic action of C was confirmed by the use of both
methods. However, even high doses of C, eliminating the
action of epinephrine on the total blood pressure, had no in-
fluence on the vessels of the spleen and kidneys in which the
vasoconstrictor effect of epinephrine continued to manifest
itself.

Card :

1/1

CH konig-A

Mercury vapor trap in dynamic vacuum systems. A. Bartels, A. König, and K. Niederleitner. *Mitgremium Akademie 1949*, 1-3 (in English).—The principle of the vapor trap is that the container of the cooling medium is of glass built in the metal vessel of the trap, or the container is of metal as well; but is heat-insulated from the outer mantle of the trap.

met. Rev. KONIG, A.
1952

C - *Metallurgy Extraction
and Smelting*

/8-C. Experiences of a Czechoslovakian Engineer in the USSR. (In Czech.) Arnold Konig. *Hutnické Listy*, v. 8, Nov. 1951, p. 544-546.
Experiences of the author, who made a three-month visit to the USSR, where he studied the production of copper in Soviet metallurgical plants. (C general, Cu)

KONIG, A.

KONIG, A. Production of thin coatings on the surface of glass. p. 90

Vol. 49, no. 6, June 1956

EPITOANYAG

Budapest, Hungary

SO: East European Accession Vol. 6, no. 3, March 1957

Combined vacuum meter for laboratory use. J. Antal
and A. Kóbor (Univ. Tech. Sci., Budapest) in Acta Phys.
Acad. Sci. Hung. 7, 117-24 (1957) (in English). — A vacuum
meter for measurement of pressures of $1-10^{-1}$ mm. is
described. Measurements between 1 and 10^{-5} mm. are
carried out with a thermocouple method by using a bridge
circuit. For the range $10^{-4}-10^{-1}$ mm. the cold cathode
ionization principle is used. Irving Auerbach

312

10/10/51, D. Schick,

✓ König, Bedřich. Calculation of the sum of series. Časopis Pest. Mat. 80 (1955), 191-201. (Czech)
Verfasser setzt unter geeigneten Voraussetzungen

$$\sum_{k=n}^{\infty} \frac{1}{f(k)} = A_{-1} \left[\frac{1}{(k_0 - \frac{1}{2})^{s-1}} - \frac{1}{(n + \frac{1}{2})^{s-1}} \right] + \dots$$

$$A_d \left[\frac{1}{(k_0 - \frac{1}{2})^{s+d}} - \frac{1}{(n + \frac{1}{2})^{s+d}} \right] + R$$

wobei die A_d (unabhängig von d und n) leicht aus der Entwicklung

$$\frac{1}{f(z)} = b_0 z^{-s} + b_1 z^{-s-1} + \dots$$

zu bestimmen sind. Ferner gibt Verfasser Darstellungen und Abschätzungen des Restes. Als Beispiel berechnet er $\zeta(2) = \sum k^{-2}$ auf 25 Stellen, sowie

$$\sum_{k=10}^n (4k^4 - k^2 + 1)^k \text{ und } \sum_{k=20}^{\infty} e^{k\pi/3} / (4k^4 - k^2 + 1)^k.$$

K. Zeller (Tübingen)

1
2
0
1 - F/W.

KÖNIG, B.

EXCERPTA MEDICA Sec.12 Vol.9/6 Ophthalmology Jun 55

Report of a case.

Moutinho - Lisbon

9

984. KÖNIG, B. Oční Klin. Palackého Univ., Olomouc. "Příspěvek k histologii keratokonu. A contribution to the microscopic anatomy of keratoconus." ČSL.OFTHAL. 1954, 10/5 (295-303) Illus. 6 Report on a case of keratoconus where the corneal disc obtained by perforating keratoplasty was subjected to microscopical examination. Changes in the corneal epithelium and Descemet's membrane not yet referred to in the literature were found in the corneal disc. The corneal epithelium was found to be reduced at the top of the conus to one layer of flat cells while Descemet's membrane attained 2-3 times its normal thickness in some regions, due to a special homogenous mass without signs of lamellation.

10.

AL.

30)

Zahn - Prague

KONIG, B.; ZAHRADNICEK, K.

Bilateral metastatic cancer of the choroid of the optic nerve.
Cesk. ofth. 16 no.1:78-83 Ja '60

1. Ocni klinika lekarske fakulty PU v Olomouci, prednosta prof.
MUDr. V. Vejdovska Ocni oddeleni OUNZ ve Vsetine, prednosta prim.
MUDr. K. Zahradnicek.

(CHOROID, neopl.)
(BREAST, neopl.)

KONIG, B.

Keratoconus and pigmentary degeneration of the retina. Cesk. oft.
16 no. 3/4:228-232 My '60

1. Ocní klinika PU v Olomouci, prednosta prof. MUDr. V. Vejdovsky.
(RETINITIS PIGMENTOSA compl.)
(KERATOCONUS compl.)

SVOBODA, E.; KONIG, B.; DUBANSKY, B.; DOLENEK, A.

Ocular myositis. Cesk.ofth.17 no.1:5-10 Ja '61.

1. Neurologicka klinika PU v Olomouci, prednosta prof. MUDr.
Jar. Hrbek, oculi klinika PU v Olomouci, prednosta prof. MUDr.
V.Vejvodsky, neurologicke oddeleni OUNZ Prostejov, prednosta
MUDr. B. Dubansky.

(MYOSITIS case reports)
(OCULOMOTOR MUSCLES dis)

KONIG, B.

Reactive changes of the pigmented epithelium of the retina.
Cesk.ofth.17 no.1:11-14 Ja '61.

1. Ocní klinika lekarské fakulty PU v Olomouci, predn.prof.
MUDr. Vaclav Vejdovsky.
(RETINA pathol)

KONIG, B.

Pigmented epithelium and retinal detachment. Cesk.ofth.17 no.1:
15-18 Ja '61.

1. Oční klinika lekarské fakulty PU v Olomouci, předn.prof.MUDr.
Vaclav Vejdovsky.
(RETINAL DETACHMENT pathol)
(RETINA pathol)

KONIG, B.

Corneal changes in the rabbit after intracorneal injections of BCG
(Japanese) and M vaccine. (Histological study). Cas.lek.cesk 100
no.46:1461-1462 17 N '61.

1. Ooni klinika PU v Olomouci, prednosta prof. Dr. Sc. MUDr. V. Vejdovsky.
(BCG VACCINATION exper) (CORNEA pathol)

KONIG, B.; K 65. narozeninam prof. VEJDLOVSKHO, V., DrSc.

Contribution to the pathogenesis of keratoconus. Cesk. oftal. 18
no.2:142-149 Mr '62.

1. Ocní klinika lekarske fakulty PU v Olomouci, prednosta prof.
MUDr. V. Vejdovsky, DrSc.
(KERATOCONUS etiol)

KONIG, B.

Eye injury and blindness. Cesk. oftal. 18 no.4:306-308 Jl '62.

1. Ocní klinika lekarské fakulty Palackého university v Olomouci,
prednosta prof. dr. V. Vejdovsky, DrSc.

(EYE wounds & inj) (BLINDNESS etiol)

KONIG,B.

Disfigurement in ophthalmology. Cesk. oftal. 20 no.2:116-120
Mr 64

1. Oční klinika lekarské fakulty PU v Olomouci; prednosta: prof.
dr. V. Vejdovský, DrSc.

KONIG, B.; VOJACEK, K.; ZAPLETAL, B.

Eosinophilic granuloma of the orbit. Cesk. oftal. 20 no. 3:166-172
My '64.

1. Ocní klinika lekarské fakulty PU [Palackého Universita] v Olomouci (prednosta doc. dr. V. Valach) a Neurochirurgické oddělení fakultní nemocnice v Olomouci (vedoucí MUDr. B. Zapletal).

KONIG, B.; ZAHRADNICEK, K.; HYZAK, A.

Contribution to eye pathology. (Generalized sympatheticoblastoma of the adrenal medulla with metastases into both eyes. Cesk. oftal. 21 no.1:65-71 Ja '65

1. Oční klinika lekarské fakulty Palackého University v Olomouci (prednosta: prof. dr. V. Vejdovský, DrSc.); Oční oddělení Obvodního ústavu národního zdraví ve Vsetíně (vedoucí: MUDr. K. Zahradníček), a Patologickoanatomický ústav lekarské fakulty Palackého University v Olomouci (prednosta: doc. dr. V. Valach).

VEJDovsky, V.; HEING, A.; KONIG, H.

The effect of passage on the immunological properties of the
antituberculosis M-vaccine (A study on rabbits' corneae).
Cesk. oftal 21 no.3:150-153 My '65

1. Ocní klinika (prednosta: prof. dr. V. Veldovsky, DrSc.)
farmacologicky ustav (prednosta: doc. dr. J. Lenfeld, CSc.) le-
karske fakulty Palackeho University v Olomouci.

KRISTEK, A.; KONIG, B.; WICHTERLE, O.

Contribution to the surgery of retinal detachment. Our experience with ethylenglycolmetacrylate gel plugs. Preliminary report. Česk. oftal., 22 no.1:58-61 Ja '66.

1. Oční klinika lekarské fakulty Palackého Univerzity v Olomouci (prednosta: prof. dr. V. Vejdovský, DrSc.) a Ustav makromolekulární chemie Československé akademie věd v Praze (ředitel: akademik O. Wichterle).

KONIG, B.; BOHDALKOVA, D.; ZAHRADNICEK, K.

Neurological complications in herpes zoster opthalmicus. Cesk. oftal. 22 no.1:62-67 Ja '66

1. Ocni klinika lekarske fakulty Palackeho University v Olomouci (prednosta: prof. dr. V. Vejdovsky, DrSc) a Ocni oddeleni Obvodniho ustavu narodniho zdravi na Vsetine (vedouci: MUDr. K. Zahradnick).

KONIG, B.; VANA, V.; VOJACEK, K.

Contribution to pathology of the chiasma. Cesk. oftal. 22
no.1:68-75 Ja '66

1. Oční klinika lekarské fakulty Palackého University v
Olomouci (prednosta - prof. dr. V. Vejdovsky, Dr. sc.) ;
Neurochirurgické oddělení Fakultní nemocnice v Olomouci
(vedoucí: doc. dr. B. Zapletal, CSc.), Patologickoanatomický
ustav lekarské fakulty Palackého University v Olomouci (pred-
nosta: doc. dr. V. Valach).

KONIG, Frisch, inz.

Oil manufacture by high-pressure hydrogenation refining. Ropa
a uhlie 6 no.1:22-25 Ja'64

I. Chemické zavody Československého průmyslu, Plant
Paramo, Pardubice.

KONIG, Eva

Documentation service of the National Office of Inventions, Muze
slet 16 no.15:2 J1 '61.

(Industrial management)

S/081/62/000/001/055/067
B158/B101

AUTHORS: König, Erich, Horák, Otakar

TITLE: Lubricating oils from hydrogenated fraction of Mukhanovo and Romashkino petroleum mixture

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1962, 446, abstract
1M160 (Ropa a uhlie, v. 3, no. 5, 1961, 138)

TEXT: A hydrogenated fraction (d_4^{20} 0.865, viscosity 20.7 centistokes/50°C) of a mixture of Mukhanovo and Romashkino petroleums is deparaffinized in a solution of dichloroethane mixed with benzine; 81% of deparaffinized fraction is obtained which, after refining with 1% bleaching clay at 200-210°C had d_4^{20} 0.877, viscosity 26.7, viscosity index 91, flash point 198°C, solidification point -6°C, acid number 0, cokability 0.14. Mixing 67% of the refined hydrogenated fraction with 33% heavy selectively refined oil from Saratov petroleum gave a motor fuel. A turbine oil

Card 1/2

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KONIG, F.

Dynamics of propagation, and phenomena of migration in Lepidoptera.
Studii agr Timisoara 8 no.3/4:255-266 Jl-D '61.

KONIG, F.

Lepidoptera characteristic of the marshlands and inundable grounds
of the plain of Banat. Studii agr Timisoara 8 no.3/4:267-285
J1-D '61.

KONIG, Fr.

RUMANIA/General and Specialized Zoology - Insects.

P.

Abs Jour : Ref Zhur - Biol., No 9, 1958, 40027

Author : Niculescu, E., Konig, Fr., Auslander, D., Regenstreif, M.

Inst : -

Title : The Morphologic and Ecologic Study of the Larva, Pupa and Imago.

Orig Pub : Byul. stiint. Acad. RPR. Sec. biol. si stiinte agric., 1956, 8, No 3, 599-630.

Abstract : A detailed morphologic description (with many sketches) of the moth Ch. palustris and its way of life are given. The ecology of the larvae and the variety in their behavior depending on the nature of the moisture of the soil on which their feeding plants grow, are given.

Card 1/1

KONIG, Fr.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824310001

Modifying action of the medium on the variability and heredity of the Lepidoptera. Studii agr Timisoara 9 no.3/4:341-353 Jl-D '62.

ALEXINSCHI, Al.; KONIG, Fr.

Contributions to the knowlege of Lepidoptera fauna in
the Lotru and Paringului Mountains. Comunicari zoolog
2: 137-149 '63.

KONIG, Helmut, ing.

Contribution to the use of the spring-air method in the processing work of sheet metal. Constr mas 15 no.7: 505-508 J1'63.

1. Uzina de prototipuri si reparatii de utilaj chimic,
Fagaras.

SAMCZUK, Antoni; KONIG, Jan Andrzej (Warszawa)

Destruction analysis of circular silos constructed of reinforced concrete. Archiw inz lad 8 no.2:161-183 '62.

HUDLICKY, M.; LEJHANCOVA, I.; MALY, V.; KONIG, J.

Organic compounds of fluorine. Pts.5-6.Coll Cz Chem 28 no.10:
2744-2748, 2824-2826 0 '63.

1. Research Institute for Pharmacy and Biochemistry, Prague.

EXCERPTA MEDICA Sec.7 Vol.8/10 Pediatrics Oct54

2591. KÖNIG J. and FRIEDMAN B. Úst. vojen nem., I. Klin. chorob vnitřn. lék.
Fak. Karlova Univ. Praha. *Nejdéle pozorován případ esenciální thrombo-
bopenické pupury po splenektomii. The longest known observa-
tion of a case of essential thrombocytopenic purpura
after splenectomy ČAS. LÉK. ČES. 1954, 93/9 (222-224)
Description of the clinical history of a woman splenectomized in 1916 (the patient
was 11 yr. old). She had repeated attacks of menorrhagia, which stopped after
X-ray castration, but no other bleedings. Fejsar - Praha (V.)

KONIG, Jiri, MUDr.; LANGENDORF, Valtr, MUDr.

Results of ACTH and cortisone therapy of blood diseases.
Sborn. lek. 58 no.9:241-258 Nov 56.

I. I. interni klinika fakulty všeobecného lekařství EKU
v Praze, prednosta prof. Dr. M. Netousek II. interni klinika
fakulty všeobecného lekařství EKU v Praze, prednosta prof.
Dr. A. Vancura.

(BLOOD DISEASES, therapy,
ACTH & cortisone, review (Cz))

(ACTH, therapeutic use,
blood dis., review (Cz))

(CORTISONE, therapeutic use,
blood dis., review (Cz))

KONIG, J.; KUNC, Z.; SVĚHLA, C.; PAIA, F.; SPANKOVA, H.; MELINKOVA, M.

Changes in leukocyte count during ganglionic blocking. Cas. lek. česk. 98 no. 3:65-71 16 Jan 59.

1. Interni katedra Ustavu pro doskolovalni lekaru v Praze, prednosta doc. MUDr. O. Smahel. Neurochirurgicke oddeleni a ustredni laboratore Ustredni vojenske nemocnice v Praze. J. K. Praha-Krc, Budejovicka 800.

(LEUKOCYTE COUNT, eff of drugs on
pentamethonium ganglionic block (Cs))

(METHONIUM COMPOUNDS, eff.
pentamethonium ganglionic block on leukocyte count (Cs))

(ANESTHESIA, REGIONAL, eff.
same)

KONIG, J. (Praha-Krc, Budejovicka 800)

Azauracil in the treatment of lymphogramuloma. Cas. lek. cesk. 98
no. 28:875-876 10 July 59.

1. Interni katedra Ustavu pro doskoloovani lekaru v Praze, predmesta doc.
dr. O. Smahel.

(HODGKIN'S DISEASE, ther.

6-azauracil (Cz))

(URACIL, antag.

6-azauracil ther. of Hodgkin's dis. (Cz))

(CYTOKIC DRUGS, ther. use

6-azauracil in Hodgkin's dis (Cz))

KONIG, J.; MOIR, Zd.; SKODA, J.; SMAHEL, O.; SORM, Fr.; SVENNA, Ct.

Prospects of development in the chemotherapy of malignant tumors in
Czechoslovakia. Cas. lek. cesk. 98 no.28:877 10 July 59.

1. Interni katedra Ustavu pro doskoleni lekarku v Praze, prednosta doc.
dr. O. Smahel, Biokemické oddelení Chemického ustavu CSAV v Praze,
prednosta akademik Fr. Sorm. J. K., Praha-Krc, Budejovická 800.
(NEOPLASMS, ther.)

chemother., progr./in Czech. (Cz))
(CHEMOTHERAPY, in various dis.
cancer, progr. in Czech. (Cz))

KONIG, Jiri; SVEHLA, Ctirad; SPANKOVA, Helena; MLEJNKOVA, Miloslava; Statis-
ticke zhodnoceni LISKA, Jiri

Changes in the white blood picture caused by withdrawal of the blood
specimen. Cas. Lek. Cesk. 101 no.14:414-446 6 Ap '62.

1. Interni katedra Ustavu pro doskoloovani lekaru a Vyzkumny ustav
experimentalni terapie v Praze, vedouci katedry a reditel Vyzkumneho
ustavu doc. dr. O. Smahel. DrSc.

(LEUKOCYTE COUNT)

SVEHLA, Ctirad; KONIG, Jiri; SPANKOVA, Helena; MLEJNKOVA, Miloslava

Familial hemophilia C. Cas. lek. cesk. 101 no.39:1177-1179 28 S '62.

1. Interni katedra Ustavu pro doskoleni lekaru v Praze a Vyzkumny ustav
experimentalni terapie v Praze, reditel doc. dr. O. Smahel, DrSc.
(HEMOPHILIA)

RYSANEK, K.; SVEHLA, C.; SPANKOVA, H.; MLEJNKOVA, M.; KONIG, J.

Comparison of the anticoagulant and monoamine oxidase inhibition effect of methylene blue. Cas. lek. cesk. 103 no.8: 221-222 21 F^o64

1. Vyzkumny ustav experimentalni terapie a interni katedra UDL, Praha; reditel: doc.dr. O. Smahel, DrSc.

*

GRAFNETTEROVA, J.; KONIG, J.; SMAHEL, O.; DVORACEK, K.; SCHUCK, O.

Renal excretion of 6-azauracil riboside in man. Cas. lek. cesk.
103 no.10:278-279 6 Mr'64

1. Vyzkumny ustav experimentalni terapie, Praha-Krc; reditel:
doc.dr. O.Smahel, DrSc.

SMAHEL, O., prof. dr., DrSc.; GRAFNETTEROVA, J.; SCHUCK, O.; DVORACEK, K.;
KONIG, J.

Renal excretion of 6-azauracilribosides in man. Cas. lek. cesk.
104 no.12:308-311 26 Mr'65.

1. Vyzkumny ustav experimentalni terapie a interni katedra
Ustavu pro deskolovani lekaru v Praze (reditel: prof. dr.
O. Smahel, DrSc.).

SVEHLA, O.; KONIG, J.; RYSANEK, K.; SPANKOVA, H.; MLEJNKOVA, M.

Hemorrhagic syndrome following small and medium doses of total
body irradiation of dogs. Cas. lek. cesk. 104 no. 38:1041-1045
24 S '65.

1. Vyzkumny ustav experimentalni terapie a interni katedra Ustavu
pro doskoleni lekaru v Praze (reditel prof. dr. O. Smahel, DrSc.).

SMAHEL, O., (Praha-Krc, Budejovicka 800); CERNOCH, A.; SORM, F.; KÖNIG, J.; VALENTA, O.; SVEHLA, C.; SVORC, J.; BLAHA, V.; UHER, V.; GERBEROVA, J.

An attempt to treat chorionepithelioma with 6-azauridin. Cas. lek. Cesk. 104 no.4:1085-1087 80 '65.

1. Vyzkumny ustav experimentalni terapie a interni katedra Ustavu pro doskoleni lekaru v Praze (reditel prof. dr. O. Smahel, DrSc.), Gynekol.-porodnicka klinika Ustavu pro doskoleni lekaru v Praze (prednosta doc. dr. A. Cernoch) a Ustav organicke chemie a biochemie Ceskoslovenske akademie ved (reditel akademik F. Sorm).

SVEHLA, C.; RYSANEK, K.; KÖNIG, J.; SPANKOVA, H.; MLEJNKOVA, M.

Hypercoagulation of blood in arteriosclerosis. Some preliminary findings on antithrombin mechanisms under the influence of methylene blue. Cas. lek. Cesk. 104 no.4:1087-1092 80 '65.

1. Vyzkumny ustav experimentalni terapie v Praze a interni katedra Ustavu pro doskoleni lekaru v Praze (reditel prof. dr. O. Smahel, DrSc.).

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APPROVED

L 38415-66 EWT(d)/ENP(k)/ENP(w)/ENP(v) IJP(c) EM/WW

ACC NR: AP6021977

SOURCE CODE: P0/0006/66/014/002/0263/0275

AUTHOR: Klepaczko, J. (Warsaw); Konig, J. A. (Warsaw)

27
BORG: Department for Continuous-Media Mechanics, Institute for Fundamental Problems
in Engineering, Polish Academy of Sciences (Zaklad mechaniki osrodkow ciągzych
Instytutu podstawowych problemow techniki, PAN)TITLE: Axial compression of a cylindrical shell under simultaneous internal pres-
ures1/4
1/4

SOURCE: Rozprawy inżynierskie, v. 14, no. 2, 1966, 263-275

TOPIC TAGS: shell buckling, shell stability, shell design
structure

ABSTRACT: An experimental and theoretical analysis of the effect of simultaneous axial loads and internal pressures on the stability of a cylindrical shell is presented. Under such conditions, characteristic boundary zones formed in the vicinity of both ends of the fastened shell were revealed. It is possible that these zones were caused by the effect of the moments appearing at the periphery in the support sections. The authors' considerations are confined to the deformation process of the shell; they did not take into account the magnitudes of the loads at the moment of stability loss. A tentative theoretical analysis of the effect under consideration is given for elastic, elastic plastic, and plastic states. In the plastic state, the material of the shell is assumed to be isotropic, with strain hardening being

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Card 2/2 *1/2*

KONIG, J.A.

Approximate determination of deformations of plastic plates
and shell base on the nonassociated law of plastic flow.
Rozpr inz PAN 13 no.1:53-65 '65.

1. Department of Mechanics of Continuous Media of the Institute
of Basic Technical Problems of the Polish Academy of Sciences,
Warsaw. Submitted March 12, 1964.